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ABSTRACT

The report includes all the individuals who submitted CLEP scores and were enrolled at the university in 1973. Data indicated: (1) Fewer students took and earned credit through CLEP in 1973 (470) than in 1972 (616). (2) The academic caliber of a majority of the students who are writing CLEP appears to indicate that they have a realistic awareness of their academic strengths. (3) Both indexes, CLEP and ACT, adequately discriminate among the academic strengths of students. (4) Conspicuously fewer students earned credit through CLEP in fine arts and literature, philosophy, and religion than in the other subject areas. (5) There is a reasonably high positivc relationship among the students in reference to the total number of semester hours earned through CLEP, the mean cumulative GPA, and the mean ACT standard scope. (6) There was a substantial difference in the mean cumulative grade-point average of students who earned credit through CLEP (2.77) and those who wrote CLEP but received no credit (2.10). (7) The grade distributions by subjects indicate that CLEP credit recipients did extremely well in courses related to the courses which they had earned through CLEP. (Author/MJM)

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PROGRESS REPORT NUMBER FOUR ON ARKANSAS STATE UNIVERSITY'S PARTICIPATION IN THE COLLEGE LEVEL EXAMINATION PROGRAM (CLEP) 1973

ARKANSAS STATE
UNIVERSITY

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INTRODUCTION

This is the fourth in a series of progress reports made on Arkansas State University's participation in the College Level Examination Program (CLEP). This report includes all the individuals who submitted CLEP scores and were enrolled at the University in 1973. Arkansas State University began awarding college credit through CLEP in March, 1971.

TABULATION OF DATA

The number and percent of students who earned credit through CLEP in each subject and the ability of these students as measured by CLEP and the American College Test (ACT) are disclosed in Table I. Also included in Table I for each subject are the numbers, percentages, and ability levels of students who wrote the CLEP examinations and, due to low scores, received no college credit.

Total semester hour intervals (0, 1, 2, 3, . . . 30, etc.) with the number of students, the mean cumulative GPA, the mean ACT composite standard score, and the mean ACT percentile rank (ASU norms) for each interval are revealed in Table II.

Distributions of grades earned by CLEP credit recipients in courses related to credit earned through CLEP are identified in Table III.

Depicted in Table IV are the high schools in Arkansas, Missouri, and other states from which the CLEP credit recipients graduated. Each high school has been sent a statistical report on its students who have received credit through CLEP.

TABLE I

ANALYSIS OF STUDENTS WHO
EARNED CREDIT BY CLEP
AT ASU IN 1973
(BY SUBJECT)

Courses in Which CLEP Credit Was Earned	Number	Percent	CLEP Mean Scaled Score	CLEP %ile Rank Nat. Soph. Norms	CLEP SD Nat Soph. Norms	*Minimum CLEP Scaled Score for Awarding Credit	ACT Mean Standard Score	ACT %ile Rank (ASU Norms)
Eng. Comp. (3 hrs.)	135	29.3	471.6	41	99	428	21.2	75
Eng. Comp. (6 hrs.)	134	29.1	554.8	71	99	502	23.9	91
Eng. Comp. (no hrs.)	192	41.6	379.2	12	99		18.1	49
Totals	461	100.0						
Bio. Sci. (3 hrs.)	160	35.2	52.4	58	10	47	26.2	84
Bio. Sci. (no hrs.)	295	64.8	39.2	17	10		20.5	63
Totals	455	100.0						
Phy. Sci. (3 hrs.)	212	46.7	52.4	62	10	46	25.3	80
Phy. Sci. (no hrs.)	243	53.3	41.0	20	10		20.0	60
Totals	455	100.0						
Basic Math. (3 hrs.)	319	73.5	516.4	59	99	431	23.0	78
Basic Math. (no hrs.)	115	26.5	391.0	17	99		15.5	41
Totals	434	100.0						

TABLE I (CONTINUED)

Courses in Which CLEP Credit Was Earned	Number	Percent	CLEP Mean Scaled Score	CLEP %ile Rank Nat. Soph. Norms	CLEP SD Nat. Soph. Norms	*Minimum CLEP Scaled Score For Awarding Credit	ACT Mean Standard Score	ACT %ile Rank (ASU Norms)
Fine Arts (2, 3, or 4 hrs.)	144	30.9	53.6	67	10	49	No Applicable ACT Test	
Fine Arts (no hrs.)	322	69.1	41.7	24	10		No Applicable ACT Test	
Totals	466	100.0						
Lit. (3 hrs.)	102	21.9	49.2	51	10	47	No Applicable ACT Test	
Lit. (6 hrs.)	66	14.2	55.0	71	10	52	No Applicable ACT Test	
Lit. (no hrs.)	298	63.9	40.6	21	10		No Applicable ACT Test	
Totals	466	100.0						
Hist. of West. Civ. (3 hrs.)	124	30.3	46.1	41	10	41	24.1	81
Hist. of West. Civ. (6 hrs.)	74	18.1	53.4	66	10	50	26.2	90
Hist. of West. Civ. (no hrs.)	211	51.6	38.5	13	10		17.6	50
Totals	409	100.0						
**Hist. of West. Civ. (3 hrs.)	10	52.4	48.0	45	10	44	22.7	80
**Hist. of West. Civ. (6 hrs.)	3	14.3	51.0	55	10	50	27.3	97
**Hist. of West. Civ. (no hrs.)	7	33.3	43.0	28	10		16.2	40
Totals	20	100.0						
Per. & Soc. Psychology (no hrs.)	3	100.0	40.6	18	10	47	21.7	74

TABLE I (CONTINUED)

Courses in Which CLEP Credit Was Earned	Number	Percent	CLEP Mean Scaled Score	CLEP %ile Rank Nat. Soph. Norms	CLEP SD Nat. Soph. Norms	*Minimum CLEP Scaled Score For Awarding Credit	ACT Mean Standard Score	ACT %ile Rank (ASU Norms)
Soc. Sci. I (3 hrs.)	2	22.2	49.5	49	10	47	25.0	91
Soc. Sci. I (no hrs.)	7	77.8	35.3	8	10		19.0	58
Totals	9	100.0						
Soc. Sci. II (3 hrs.)	2	22.2	52.5	58	10	46		
Soc. Sci. II (no hrs.)	7	77.8	40.4	15	10		19.4	60
Totals	9	100.0						
Am. Hist. to 1865 (3 hrs.)	1	11.1	59.0		10	58	23.0	81
Am. Hist. to 1865 (no hrs.)	8	88.9	48.4		10		21.0	70
Totals	9	100.0						
Am. Hist. since 1865 (no hrs.)	9	100.0	45.6		10	55	21.3	72
Accounting (3 hrs.)	1	20.0	62.0		10	50	26.0	93
Accounting (6 hrs.)	1	20.0	66.0		10	50	24.0	86
Accounting (no hrs.)	3	60.0	41.3		10		21.0	70
Totals	5	100.0						
Management (3 hrs.)	4	100.0	54.3		10	40		
Business Law (3 hrs.)	2	100.0	57.0		10	51		

TABLE I (CONTINUED)

Courses in Which CLEP Credit Was Earned	Number	Percent	CLEP Mean Scaled Score	CLEP %ile Rank Nat. Soph. Norms	CLEP SD Nat. Soph. Norms	*Minimum CLEP Scaled Score For Awarding Credit	ACT Mean Standard Score	ACT %ile Rank (ASU Norms)
Marketing (3 hrs.)	2	66.7	65.5	94	10	48		
Marketing (no hrs.)	1	33.3	45.0	31	10			
Totals	3	100.0						
Economics (3 hrs.)	1	33.3	57.0	76	10	55		
Economics (no hrs.)	2	66.7	48.0	39	10			
Totals	3	100.0						
Money & Banking (3 hrs.)	1	50.0	57.0	77	10	48		
Money & Banking (no hrs.)	1	50.0	28.0	1	10			
Totals	2	100.0						
Data Processing (3 hrs.)	1	50.0	48.0	47	10	46		
Data Processing (no hrs.)	1	50.0	33.0	1	10			
Totals	2	100.0						

* These scaled scores were derived through research which was done on this campus in May of 1970. Each scaled score is the mean scaled score on the students who were included in the research sample who earned a "C" or higher in each respective course.

**Effective August 1, 1973, the CLEP Subject Examination, Western Civilization, superseded the General Examination, Social Science-History, as the examination used to award credit in Western Civilization to and since 1860. Only twenty individuals took the CLEP subject examination.

TABLE II

ANALYSIS OF STUDENTS WHO EARNED CREDIT THROUGH CLEP AT ASU IN 1973 (BY TOTAL NUMBER OF SEMESTER HOURS EARNED)

Total Sem. Hrs. Earned	Number of Students Earning Hrs.	Mean Cumulative GPA	ACT Mean Standard Score	ACT Mean %ile Rank ASU Norms
30	12	3.41	26.3	94
29	0	-	-	-
28	16	3.36	27.0	96
27	3	3.26	27.3	97
26	1	3.40	27.0	96
25	17	3.29	26.1	93
24	2	3.35	25.5	92
23	0	-	-	-
22	21	2.87	24.3	88
21	8	3.47	25.7	92
20	0	-	-	-
19	10	2.94	23.8	85
18	18	2.78	24.6	89
17	2	3.60	24.0	86
16	16	3.08	23.1	82
15	29	2.96	24.0	86
14	4	2.80	23.0	81
13	19	2.80	21.0	70
12	46	2.84	22.9	81
11	0	-	-	-
10	10	2.88	20.3	66
9	43	2.63	21.5	73
8	2	2.60	21.5	73
7	7	2.92	20.5	67
6	75	2.51	20.4	66
5	3	2.76	25.0	91
4	1	1.60	15.0	32
3	102	2.43	18.1	53
2	3	2.73	22.3	78
1	0	-	-	-
Total and Means for CLEP Recipients	470	2.77	22.0	76
Total and Means for Those Who Took CLEP but Earned No Hrs.	64	2.10	15.3	34

TABLE III

GRADE DISTRIBUTIONS IN COURSES
RELATED TO COURSES EARNED
THROUGH CLEP

English			Biology			Physical Science			Mathematics			Fine Arts			Literature			Western Civilization			Totals		
Grades	No.	%	Grades	No.	%	Grades	No.	%	Grades	No.	%	Grades	No.	%	Grades	No.	%	Grades	No	%	Grades	No.	%
A	6	11	A	8	18	A	11	21	A	45	34	A	33	46	A	7	27	A	6	14	A	116	27
B	30	57	B	14	31	B	14	27	B	43	32	B	29	41	B	14	54	B	21	49	B	165	39
C	15	28	C	17	38	C	24	46	C	37	28	C	9	13	C	4	15	C	14	33	C	120	28
D	2	4	D	4	9	D	1	2	D	6	4	D	0	0	D	1	4	D	1	2	D	15	4
F	0	0	F	2	4	F	2	4	F	3	2	F	0	0	F	0	0	F	1	2	F	8	2
Totals	53	100		45	100		52	100		134	100		71	100		26	100		43	100		424	100

TABLE IV

HIGH SCHOOLS OF STUDENTS WHO
EARNED CREDIT THROUGH
CLEP AT ASU
IN 1973

School and/or State	No. Students Receiving Credit Through CLEP	School and/or State	No. Students Receiving Credit Through CLEP
Arkansas		Arkansas (continued)	
A. L. Miller	1	DeSoto	1
Bald Knob	1	DeWitt	5
Batesville	5	Dumas	2
Bay	6	Dyess	1
Biggers	1	Earle	1
Blytheville	9	Elaine	1
Brinkley	3	England	2
Brookland	4	Eudora	2
Bryant	1	Fordyce	1
Calico Rock	2	Forrest City	5
Camden	2	Gosnell	2
Caraway	2	Greene County Tech	12
Cave City	1	Grubbs	1
Central - Judsonia	1	Hall - Little Rock	5
Central - Helena	4	Harrisburg	7
Central - Little Rock	1	Highland	3
Clarendon	2	Hope	1
Clinton	1	Hot Springs	3
Clover Bend	1	Hoxie	5
Corning	5	Jacksonville	2
Cross County - Cherry Valley	2	Jonesboro	70
Crossett	2	Lafe	1
Decatur	1	Lake City	4
Delaplaine	1	Lavaca	1

TABLE IV (CONTINUED)

School and/or State	No. Students Receiving Credit Through CLEP
Arkansas (continued)	
Leachville	2
Lee - Marianna	1
Lepanto	1
Little Rock	1
Lonoke	1
Luxora	1
Magnolia	1
Mammoth Spring	1
Manila	7
Marked Tree	7
Marmaduke	1
McClellan	4
McCrory	3
Melbourne	1
Mills - Little Rock	1
Monette	3
Mountain Home	3
Mountain View	2
Mt. Pleasant	1
Nettleton	14
Newport	8
North Little Rock	2
Northeast - North Little Rock	5
Oak Grove	3
Osceola	8
Paragould	17
Parkin	2
Arkansas (continued)	
Parkview - Little Rock	2
Piggott	15
Pine Bluff	4
Pocahontas	6
Poughkeepsie	2
Prescott	2
Rector	2
Rivercrest - Wilson	1
Searcy	1
Sloan-Hendrix	1
St. Paul - Pocahontas	7
Strawberry	1
Stuttgart	4
Swifton	2
Sylvan Hills	1
Trumann	11
Tuckerman	2
Valley View	5
Viola	1
Violet Hill	1
Walnut Ridge	6
Watson Chapel	2
Weiner	4
West Memphis	8
Westside - Jonesboro	6
White Hall - Pine Bluff	1

TABLE IV (CONTINUED)

School and/or State	No. Students Receiving Credit Through CLEP
Arkansas (continued)	
Williford	2
Wynne	14
Missouri	
Campbell	2
Caruthersville	3
Cooter	2
Dexter	1
Hayti	1
Holcomb	1
Kennett	3
Malden	2
Mehlville - St. Louis	1
Parma	1
Portageville	1
Saint Mary's	1
Sikeston	1
South Pemiscot	2
Southland - Arbyrd	4
Thayer	1
West Plains	4
Other States	
Arizona	2
California	4
Florida	2
Georgia	1
Illinois	2
Massachusetts	1
New York	1
Tennessee	7
Virginia	1

ANALYSIS OF ESTIMATED MONETARY SAVINGS THROUGH CLEP

The average number of semester hours taken by full time enrolled students at Arkansas State University is approximately fifteen. Thus, 11.6 semester hours (the average number of hours earned by 470 students through CLEP) is approximately 77 percent of an average semester load for full time students. The following financial analysis was calculated on the foregoing information:

1.	Average per student savings to the student	$638.14
2.	Average per student savings to Arkansas	$333.74
3.	Average per student savings to others	$ 23.98
4.	Total average per student savings	$995.86
5.	Total savings through CLEP in 1973	$468,054.20
6.	Total savings through CLEP since the inception (March, 1971) of the program	$1,525,994.60

Of course, the figures above do not take into consideration money which probably will be earned as a result of early graduation. If this could be calculated, it would unquestionably be a sizable sum of money.

SUMMARY STATISTICS

1.	Number of students who took CLEP, enrolled at ASU in 1973, and earned one or more semester hours through CLEP	470
2.	Number of students who took CLEP, enrolled at ASU in 1973, but earned no semester hours through CLEP	64
3.	Total number of students who took CLEP and enrolled at ASU in 1973	534
4.	ACT mean composite standard score and ASU percentile rank for students who earned credit through CLEP (Item 1 above)	22.0 76%ile
5.	ACT mean composite standard score and ASU percentile rank for students who earned no credit through CLEP (Item 2 above)	15.3 34%ile

6. Mean cumulative grade point average for students who earned credit through CLEP 2.77

7. Mean cumulative grade point average for students who earned no credit through CLEP 2.10

8. Mean number of semester hours earned per student through CLEP (excludes 64 students who earned no semester hours through CLEP) 11.63

9. Total student, state, and miscellaneous monetary savings through CLEP at ASU in 1973 . . . . $468,054.20

CONCLUSIONS

1. Fewer students took and earned credit through CLEP in 1973 (470) than in 1972 (616). There is no apparent explanation for this. Perhaps the 1974 report will reveal a trend with respect to CLEP activity.
2. The academic caliber of a majority of the students who are writing CLEP appears to indicate that they have a realistic awareness of their academic strengths. That is, the higher academic quality students as opposed to lower academic quality students are choosing to write the CLEP examinations.
3. Both indices, CLEP and ACT, adequately discriminate among the academic strengths of students (note the differences on mean CLEP and ACT scores for students who earned three, six, or no semester hours - Table I).
4. There were conspicuously fewer (smaller number and percent) students who earned credit through CLEP in fine arts and literature, philosophy, and religion than in the other subject areas (English composition, biological science, physical science, mathematics, and history of western civilization). This fact appears very reasonable when one

considers that the typical high school graduate has had relatively few formal classes in fine arts and literature. The foregoing information tends to support the conclusion of content validity with respect to the CLEP Humanities General Examination.

5. There is a reasonably high positive relationship among the students in reference to the total number of semester hours earned through CLEP, the mean cumulative GPA, and the mean ACT standard score (see Table II). The positive relationship would probably have been higher among the aforementioned variables had it not been for the fact that some of the students in this report had already successfully completed, at the time of testing, some of the courses for which CLEP credit may be earned.

6. There was a substantial difference in the mean cumulative grade point average of students who earned credit through CLEP (2.77) and those who wrote CLEP but received no credit (2.10). The CLEP credit recipients' mean cumulative GPA of 2.77 may be seen in better perspective when compared with the following university-wide mean grade point averages:

Freshmen	2.17
Sophomores	2.50
Juniors	2.55
Seniors	2.66

It is apparent that students who earned credit through CLEP made higher grades than any of the subcategories of students listed above.

7. The grade distributions by subjects depicted in Table III indicate that CLEP credit recipients did extremely well in courses related to the courses which they had earned through CLEP. This appears to

validate the rationale for CLEP. That is, if one has already acquired a college level of education, regardless of mode, in one or more subjects, then why not award the credit and allow the student to begin taking courses which are at a level commensurate with his or her ability.

8. CLEP is allowing Arkansas State University to deal realistically with students who have acquired, at the time of admission, a college level of education in some general education courses. The students who are earning credit through CLEP have two options. They may choose to expedite their degree, thus saving time and money, or they may choose to enrich their degree by enrolling in advanced courses related to courses earned through CLEP. A study will be made in the future to determine which option most CLEP credit recipients will have exercised.